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ALGINATE IMPRESSION MATERIAL

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(57) Abstract:

PROBLEM TO BE SOLVED: To obtain an impression material, having a proper strain due to weighting and hardly flowing by its own weight by using an alginate composed of a specific alginic acid, a gelation reactional agent, a gelation regulator and a specific filler.

SOLUTION: This alginate impression material is obtained by using an alginate containing a mixture of alginic acid containing mannuronic acid and guluronic acid constituting the alginic acid at 1.3-1.6 ratio with the alginic acid at 0.4-0.7 ratio thereof [preferably (10:90) to (90:10) mixing ratio] as the alginate, diatomaceous earth containing a rodlike shape as a part of a filter and including a gelation reactional agent and a gelation regulator as principal components. The diatomaceous earth in the rodlike shape has usually 3-20 ratio of the length to the width and the ratio of the rodlike shape to the other shapes in the diatomaceous earth is preferably (10:90) to (90:10).

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